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Attorney Docket No. 056646-5023

THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of )  
Inventors: Shik Chi TSANG et al. )  
Appln. No.: 10/500,842 ) Group Art Unit: 1616  
Filed: January 10, 2005 ) Examiner: unassigned  
Title: MICROPARTICLES AND METHODS FOR )  
THEIR PRODUCTION )

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Commissioner of Patents and Trademarks  
U.S. Patent and Trademark Office  
Customer Window  
Randolph Building  
401 Dulany Street  
Alexandria, VA 22314

Sir:

Supplementing the applicants' Disclosure Statement filed on July 7, 2004, the applicants submit herewith copies of references listed on pages 30 and 31 of the present application. A PTO-1449 listing the attached references is also included herewith.

In connection with the references listed in the applicants' specification, it is to be noted that reference No. 22 actually comprises three separate papers and copies of these are included herewith and listed on the accompanying PTO-1449. Copies of references Nos. 1, 5, 21, 24 and 25 are not included as these are not considered relevant to the applicants' invention. However, copies of these can be provided if the Examiner wishes to have copies.

Also listed on the attached PTO-1449 are references noted in related, commonly assigned U.S. Appln. No. 10/500,843 which are not otherwise of record herein. Copies of references of record in Appln. No. 10/500,843, e.g. WO 99/46782 are not included herewith as these are available in the file of Appln. No. 10/500,843. An asterisk has been placed adjacent these references which are available in the related case.

The Examiner is requested to return initialed copies of the PTO-1449 attached hereto and the PTO-1449 earlier filed. In this connection, it has been noted that the earlier PTO-1449 incorrectly refers to Vol. 29 in the identification of the Gadd et al. publication. The correct reference should be to Vol. 39. The Examiner is requested to make this correction on the PTO-1449 of record or, if the Examiner prefers, the applicants will file a corrected PTO-1449.

No fees are thought necessary for this submission but, if any should be required, please charge to Deposit Account No. 50-0310.

Respectfully submitted,  
MORGAN LEWIS & BOCKIUS LLP

By   
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Date: August 18, 2005

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FORM PTO-1449 (modified)  
 To: U.S. Department of Commerce  
 (PW FORM PAT-1449)  
 Patent and Trademark Office



Atty. Dkt. No.	M#	Client Ref.
	056646-5023-US	HP/LP6233944
Applicant: Shik Chi TSANG et al.		
Appln. No.: 10/500,842		
Filing Date: January 10, 2005		
Date: August 18, 2005	Page <b>1</b> of <b>2</b>	Examiner: unassigned   Group Art Unit: 1616

### INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Date: August 18, 2005

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#### U.S. PATENT DOCUMENTS

Examiner's Initials*	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
* AR	5,547,748	08/1996	Ruoff et al.	428	323	
BR						

#### FOREIGN PATENT DOCUMENTS

		Document Number	Date MM/YYYY	Country	Applicant Name		English Abstract	Translation Readily Available
*		WO 99/46782	09/1999	PCT	Geus	H01F	Enclosed	No
*	CR	9086915	03/1997	Japan	Yoji	C01B		
*	DR	02-069904	03/1990	Japan	Yoshiteru et al.	H01F		

#### OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

* ER	Jeyadevan et al., "Oxidation Protective Carbon Layer for Magnetic Particles by Surfactant Reduction", IEEE Transactions on Magnetics, 32(5):4511-4513 (September 1996)			
* FR	Turgut et al., "Magnetic evidence for structural-phase transformations in Fe-Co alloy nanocrystals produced by a carbon arc", J. Appl. Phys., 81(8):4039-4041 (April 15, 1997)			
GR	Heath et al., "Lanthanum Complexes of Spheroidal Carbon Shells", J. Am. Chem. Soc., 107:7779-7780 (1985)	X		
HR	Majetich et al., "Preparation and properties of carbon-coated magnetic nanocrystallites", Phys. Rev. B, 48:16 845-16 848 (December 1, 1993)	X		
IR	Seraphin et al., Am. Inst. Phys., 80:2097-2104 (August 15, 1996)	X		
JR	Y. Saito, "Nanoparticles and Filled Nanocapsules", Carbon, 33(7):979-988 (1995)	X		
KR	Dravid et al., "Controlled-size nanocapsules", Nature, 374:602 (April 13, 1995)	X		
LR	Heath et al., "The Formation of Long Carbon Chain Molecules during Laser Vaporization of Graphite", J. Am. Chem. Soc., 109:359-363 (1987)	X		
MR	D. Ugarte, "How to fill or empty a graphitic onion", Chem. Phys. Lett., 209(1,2):99-103 (June 25, 1993)	X		
NR	Tsang et al., "Thinning and opening of carbon nanotubes by oxidation using carbon dioxide", Nature, 362:520-522 (April 8, 1993)	X		
OR	Tsang et al., "A simple chemical method of opening and filling carbon nanotubes", Nature, 372:159-161 (November 10, 1994)	X		
PR	Tsang et al., "Immunobilization of Platinated and Iodinated Oligonucleotides on Carbon Nanotubes", Angew. Chem. Int. Ed. Engl., 36(20):2198-2200 (1997)	X		

Examiner

Date Considered:

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449 (modified)  
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**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT**



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Atty. Dkt. No.	M#	Client Ref.
	056646-5023-US	HP/LP6233944
Applicant: Shik Chi TSANG et al.		
Appln. No.: 10/500,842		
Filing Date: January 10, 2005		
Examiner: unassigned		Group Art Unit: 1616

OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)			
	AR	Harris et al., "A simple technique for the synthesis of filled carbon nanoparticles", Chem. Phys. Lett., 293:53-58 (1998)	X
	BR	Harris et al., "Encapsulating uranium in carbon nanoparticles using a new technique", Carbon, 36:185-1860 (1998)	X
	CR	Baker et al., "Formation of Filamentous Carbon from Iron, Cobalt and Chromium Catalyzed Decomposition of Acetylene", Journal of Catalysis, 30:86-95 (1973)	X
	DR	Harris et al., "High-resolution electron microscopy studies of non-graphitizing carbons", Philosophical Magazine A, 76(3):667-677 (1997)	X
	ER	Host et al., "Graphite encapsulated nanocrystals produced using a low carbon:metal ratio", J. Mater. Res., 12(5):1268-1273 (May 1997)	X
	FR	Subramoney et al., "Radial single-layer nanotubes", Nature, 366:637 (December 16, 1993)	X
	GR	D. Ugarte, Nature, 359:707-709 (October 22, 1992)	X
	HR	Lulli et al., "Influence of electron-beam parameters on the radiation-induced formation of graphitic onions", Ultramicroscopy, 60:187-194 (1995)	X
	IR	Burch et al., "Technegas-a new ventilation agent for lung scanning", Nuclear Medicine Communications, 7:865-871 (1986)	X
	JR	Burch et al., "Lung Ventilation Studies with Technetium-99m Pseudogas", The Journal of Nuclear Medicine, 27:842-846 (1986)	X
	KR	Senden et al., "The Physical and Chemical Nature of Technegas", J. Nucl. Med., 38:1327-1331 (1997)	X
	LR	Ng et al., "Thermal-Induced Microstructural Changes of Nickel-Iron Cyanide", J. Phys. Chem. A, 104:8814-8822 (2000)	X

Examiner

Date Considered:

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.